Nuclear Instruments and Methods in Physics Research A326 (1993) 619–633
North-Holland

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH
Section A

Author index

Aalste, M., see Brenner, R. A326 (1993) 189
Ahmidouch, A., P. Bach, R. Hess, R.A. Kunne, C. Lechanoine-Leluc, C. Mascarini, D. Rapin, J. Arvieux, R. Bertini, H. Catz, J.C. Faivre, F. Perrot-Kunne, F. Bradamante and A. Martin, Plastic detectors for medium energy neutrons A326 (1993) 538
Akerib, D., see Alexander, J.P. A326 (1993) 243
Alexander, J.P., J.A. Dobbins, K. Honscheid, C.D. Jones, M. Selen, H.M. Worden, F.K. Wuerthwein, J. Gronberg, R.J. Morrison, H.N. Nelson, D.M. Schmidt, H. Tajima, D. Cinabro, S. Henderson, H. Yamamoto, M. Artuso, P. Rubin, Z. Sobolewski, D. Akerib and D. Cowen, Design and tests for CLEO-II silicon vertex detector A326 (1993) 243
Alimov, A.S., A.S. Chepurnov, O.V. Chubarov, I.V. Gribov, B.S. Ishkhanov, I.M. Piskarev, A.G. Rzhanov, M.A. Sotnikov, I.V. Surma, A.V. Shumakov, V.I. Shvedunov, A.V. Tiunov and V.A. Ushkanov, Performance of the 6 MeV injector for the Moscow racetrack microtron A326 (1993) 391
Anderson, D.F., S. Kwan and V. Peskov, CsI photocathode QE and a simple production technique A326 (1993) 611
Ando, A., see Tomizawa, M. A326 (1993) 399
Andricek, L., see Lechner, P. A326 (1993) 284
Anghinolfi, F., see Munday, D. A326 (1993) 100
Anghinolfi, F., R. Bardos, S.J. Bates, R. Bonino, A.G. Clark, N. Claussen, E. Fretwurst, M. Glaser, G. Gorfine, C. Gössling, E.H.M. Heijne, P. Jarron, R. Klingenberg, F. Lemeilleur, G. Lindström, G. Moorhead, D.J. Munday, E. Occelli, H. Pagel, B. Papendick, M.A. Parker, D. Pollmann, A. Poppleton, A. Rolf, P. Scampoli, T. Schulz, G. Taylor, S. Tovey, A.R. Weidberg, X. Wu and R. Wunstorf, Neutron irradiation of silicon diodes at temperatures of +20°C and −20°C A326 (1993) 365
Antonini, A., see Stalio, R. A326 (1993) 150
Apsimon, R., see Brenner, R. A326 (1993) 189
Arakaki, Y., see Tomizawa, M. A326 (1993) 399
Ardelan, J., see Brenner, R. A326 (1993) 189
Artuso, M., see Alexander, J.P. A326 (1993) 243
Arvieux, J., see Ahmidouch, A. A326 (1993) 538
Asmone, A., M. Bertino, C. Bini, G. De Zorzi, G. Diambrini Palazzi, G. Di Cosimo, A. Di Domenico, F. Garufi, P. Gauzzi and D. Zanello, Performance of a highly segmented scintillating fibres electromagnetic calorimeter A326 (1993) 477
Aspell, P., see Munday, D. A326 (1993) 100
Aulchenko, V.M., A.G. Chilingarov, V.V. Serbo and V.M. Titov, The study of the possibility to use CAMEX chips in collider experiments with short bunch crossing time A326 (1993) 120
Aw, C.H., see Snoeys, W. A326 (1993) 144

Baccarani, G., P. Ciampolini and A. Pierantoni, Three-dimensional simulation of semiconductor devices: state of the art and prospects A326 (1993) 253
Bacchetta, N., D. Bisello, G. Bolla, C. Canali, P.G. Fuochi and A. Paccagnella, Radiation effects on ac-coupled microstrip silicon detectors A326 (1993) 381
Bach, P., see Ahmidouch, A. A326 (1993) 538
Baldazzi, G., D. Bollini, F. Casali, P. Chirco, A. Donati, W. Dusi, G. Landini, M. Rossi and J.B. Stephen, Timing response of CdTe detectors A326 (1993) 319
Baldini, A., see Bruzzi, M. A326 (1993) 344
Ballocchi, G., see Vacchi, A. A326 (1993) 267
Barabash, L.I., see Rosenfeld, A.B. A326 (1993) 234
Barberis, E., see Gadomski, S. A326 (1993) 239
Barberis, E., J.G. Boissevain, N. Cartiglia, J.A. Ellison, P. Ferguson, J.K. Fleming, K. Holzscheiter, S. Jerger, D. Joyce, J.S. Kapustinsky, J. Leslie, C. Lietzke, J.A.J. Matthews, A.P.T. Palounek, D. Pitzl, W.A. Rowe, H.F.-W. Sadrozinski, D. Skinner, W.F. Sommer, W.E. Sondheim, S.J. Wimpenny and H.J. Ziock, Temperature effects on radiation damage to silicon detectors A326 (1993) 373
Bardos, R., see Anghinolfi, F. A326 (1993) 365
Barnes, Jr., P.D., see Shutt, T. A326 (1993) 166
Barthe, S., see Fontaine, J.Ch. A326 (1993) 10

0168-9002/93/$06.00 © 1993 – Elsevier Science Publishers B.V. All rights reserved

Bates, S.J., see Anghinolfi, F. A326 (1993) 365
Batignani, G., C. Bauer, H. Becker, B. Bloch-Devaux, J. Boudreau, D. Brown, F. Bosi, L. Bosisio, M. Carpinelli, J. Carr, P. Cattaneo, A. Ciocci, P. Coyle, R. Dell'Orso, H. Dietl, J. Drinkard, E. Focardi, F. Forti, M. Giorgi, T. Hansl-Kozanecka, D. Hauff, P. Holl, R.G. Jacobsen, E. Lancon, J. Lauber, A. Litke, G. Lutz, G. Lütjens, E. Mannelli, W. Männer, T. Mattison, M. McNeil, S. Menary, L. Moneta, H.G. Moser, B. Mours, R. Ossa, G. Parrini, S. Piccinini, G. Redlinger, D. Rizzi, G. Rizzo, L. Roos, D. Rousseau, G. Taylor, G. Tonelli, G. Triggiani, A.S. Schwarz, P. Schwemling, R. Settles, H. Seywerd, V. Sharma, L. Strüder, C. Vannini, P.G. Verdini, J. Walsh, G. Walterman, S. Walther, J. Wear and F. Weber, Operational experience with a large detector system using silicon strip detectors with double sided readout A326 (1993) 183
Bauer, C., see Batignani, G. A326 (1993) 183
Baur, R., see Chen, W. A326 (1993) 273
Beaumel, D., see Laurent, H. A326 (1993) 517
Beaumont, S.P., R. Bertin, C.N. Booth, M. Bruzzi, C. Buttar, L. Carraresi, F. Cindolo, M. Colocci, F.H. Combley, S. D'Auria, S. DeGennaro, D. Del Papa, M. Dogru, M. Edwards, F. Fiori, F. Foster, A. Francescato, Y. Hou, P. Houston, B. Jones, J.G. Lynch, B. Lisowski, J. Matheson, F. Nava, M. Nuti, V. O'Shea, P.G. Pelfer, M. Pischedda, C. Raine, J. Santana, I. Saunders, P.H. Seller, I.O. Skillikorn, T. Sloan, K.M. Smith, N. Tartoni, I. ten Have, R.M. Turnbull, A. Vinattieri and A. Zichichi, Charge transport properties of undoped SI LEC GaAs solid-state detectors A326 (1993) 313
Becker, H., see Batignani, G. A326 (1993) 183
Beha, T., W. Dünnweber and P. Klein, Radiation damage in detector–amplifier structures capable of signal storage A326 (1993) 386
Berdoz, A.R., see Sum, V. A326 (1993) 489
Bertin, R., see Beaumont, S.P. A326 (1993) 313
Bertini, R., see Ahmidouch, A. A326 (1993) 538
Bertino, M., see Asmone, A. A326 (1993) 477
Bertuccio, G., P. Rehak and D. Xi, A novel charge sensitive preamplifier without the feedback resistor A326 (1993) 71
Bertuccio, G., see Pinotti, E. A326 (1993) 85
Bertuccio, G., see Chen, W. A326 (1993) 273
Betts, R.R., see Evensen, L. A326 (1993) 136
Beuville, E., see Munday, D. A326 (1993) 100
Bingefors, N., S. Bouvier, S. Gadomski, G. Hall, T.S. Høgh, P. Jalocha, H. v.d. Lippe, J. Michel, E. Nygård, M. Raymond, A. Rudge, R. Sachdeva, P. Weilhammer and K. Yoshioka, A novel technique for fast pulse-shaping using a slow amplifier at LHC A326 (1993) 112
Bini, C., see Asmone, A. A326 (1993) 477
Bischoff, A., N. Findeis, D. Hauff, P. Holl, J. Kemmer, P. Klein, P. Lechner, G. Lutz, R.H. Richter and L. Strüder, Breakdown protection and long-term stabilisation for Si-detectors A326 (1993) 27
Bisello, D., see Bacchetta, N. A326 (1993) 381
Bloch-Devaux, B., see Batignani, G. A326 (1993) 183
Blumenfeld, Y., see Laurent, H. A326 (1993) 517
Boissevain, J.G., see Barberis, E. A326 (1993) 373
Bolla, G., see Bacchetta, N. A326 (1993) 381
Bollini, D., see Baldazzi, G. A326 (1993) 319
Bonino, R., see Munday, D. A326 (1993) 100
Bonino, R., see Anghinolfi, F. A326 (1993) 365
Bonvicini, V., see Brenner, R. A326 (1993) 189
Bonvicini, V., see Brenner, R. A326 (1993) 198
Booth, C.N., see Beaumont, S.P. A326 (1993) 313
Borchi, E., see Bruzzi, M. A326 (1993) 344
Bosi, F., see Batignani, G. A326 (1993) 183
Bosisio, L., see Batignani, G. A326 (1993) 183
Boudreau, J., see Batignani, G. A326 (1993) 183
Bouvier, S., see Bingefors, N. A326 (1993) 112
Bowman, C.D., see Triple Collaboration A326 (1993) 549
Bowman, J.D., see Triple Collaboration A326 (1993) 549
Bradamante, F., see Ahmidouch, A. A326 (1993) 538
Braem, A., A. Gonidec, D. Schinzel, W. Seidl, E. Clayton, G. Hall, R. Payne, S. Roe, C. Seez, J. Striebig, T.S. Virdee and D. Cockerill, Performance of a liquid xenon calorimeter cell A326 (1993) 325
Brandenburg, S., see Laurent, H. A326 (1993) 517
Bras, W., G.E. Derbyshire, A.J. Ryan, G.R. Mant, A. Felton, R.A. Lewis, C.J. Hall and G.N. Greaves, Simultaneous time resolved SAXS and WAXS experiments using synchrotron radiation A326 (1993) 587
Bräuninger, H., see Pinotti, E. A326 (1993) 85

Bräuninger, H., R. Danner, D. Hauff, P. Lechner, G. Lutz, N. Meidinger, E. Pinotti, C. Reppin, L. Strüder, J. Trümper, E. Kendziorra, J. Krämer, M. Mohan, R. Staubert, N. Findeis, P. Holl, J. Kemmer and C. von Zanthier, First results with the pn-CCD detector system for the XMM satellite mission A326 (1993) 126
Brenner, R., R. Harr, A. Rudge, D. Santos, J. Straver, P. Weilhammer, A. Czermak, S. Gadomski, M. Turala, V. Bonvicini, W. Kucewicz, S. Masciocchi, G. Vegni, A. Peisert, J. Ardelan, A. Hrisoho, K. Troung, F. Couchot, C. Colledani, W. Dulinski, D. Husson, A. Lounis, N. Mayet, M. Schaeffer, R. Turchetta, A. Smith, R. Apsimon, P. Seller, M. Tyndel, M. Aalste, I. Hietanen, J. Lindgren, K. Osterberg, R. Orava, C. Ronnqvist, T. Tuuva and M. Voutilainen, Measurement of the spatial resolution of double-sided double-metal AC-coupled silicon microstrips detectors A326 (1993) 189
Brenner, R., J. Carstens, A. Rudge, J. Straver, P. Weilhammer, A. Czermak, S. Gadomski, P. Jalocha, M. Turala, V. Bonvicini, A. Peisert, C. Colledani, W. Dulinski, A. Lounis, M. Schaeffer, R. Turchetta and R. Harr, Results from double-sided silicon microstrip detector with field plate separation A326 (1993) 198
Breskin, A., see Chen, W. A326 (1993) 273
Bridou, F., see Maaza, M. A326 (1993) 531
Britvich, G.I., A.I. Peresypkin, V.I. Rykalin, V.G. Vasil'chenko, L.D. Kornylovskaya, S.A. Malinovskaya, V.T. Skripkina, V.M. Shershukov, E.G. Yushko, A.V. Kulichenko and A.I. Pyshchev, Radiation damage studies on polystyrene-based scintillators A326 (1993) 483
Broadbent, C.J., see Parker, D.J. A326 (1993) 592
Brown, D., see Batignani, G. A326 (1993) 183
Bruzzi, M., see Beaumont, S.P. A326 (1993) 313
Bruzzi, M., A. Baldini, E. Borchi and I. Lukianov, Defect complexes in neutron irradiated silicon detectors: evaluation and effects A326 (1993) 344
Bucconi, A., see Stalio, R. A326 (1993) 150
Buttar, C., see Beaumont, S.P. A326 (1993) 313
Buttler, W., G. Lutz, G. Cesura, P.F. Manfredi, V. Speziali and A. Tomasini, Short channel, CMOS-compatible JFET in low noise applications A326 (1993) 63

Campbell, D., see Munday, D. A326 (1993) 100
Campbell, M., see Munday, D. A326 (1993) 100
Canali, C., see Bacchetta, N. A326 (1993) 381
Carlo, F.D., see Stalio, R. A326 (1993) 150
Carpinelli, M., see Batignani, G. A326 (1993) 183
Carr, J., see Batignani, G. A326 (1993) 183
Carraresi, L., see Beaumont, S.P. A326 (1993) 313
Carstens, J., see Brenner, R. A326 (1993) 198
Cartiglia, N., see Gadomski, S. A326 (1993) 239
Cartiglia, N., see Barberis, E. A326 (1993) 373
Casali, F., see Baldazzi, G. A326 (1993) 319
Castoldi, A., see Vacchi, A. A326 (1993) 267
Cattaneo, P., see Batignani, G. A326 (1993) 183
Catz, H., see Ahmidouch, A. A326 (1993) 538
Cesura, G., see Buttler, W. A326 (1993) 63
Chechik, R., see Chen, W. A326 (1993) 273
Chen, W., H. Kraner, Z. Li, P. Rehak, G. Bertuccio, E. Gatti, A. Longoni, M. Sampietro, P. Holl, J. Kemmer, U. Faschingbauer, B. Schmitt, A. Worner and J.P. Wurm, Performance of the multianode cylindrical silicon drift detector in the NA45 experiment: first results A326 (1993) 273
Chepurnov, A.S., see Alimov, A.S. A326 (1993) 391
Chida, K., see Tomizawa, M. A326 (1993) 399
Chilingarov, A.G., see Aulchenko, V.M. A326 (1993) 120
Chinnici, S., see Vacchi, A. A326 (1993) 267
Chirco, P., see Baldazzi, G. A326 (1993) 319
Chmill, V.B., A.V. Chuntonov, V.A. Sergeev, A.V. Smol, Yu.P. Tsyupa, A.P. Vorobiev, A.I. Gordienko, S.S. Khludkov, O.B. Koretskaya, A.I. Potapov and O.P. Tolbanov, An exploration of GaAs structures for solid-state detectors A326 (1993) 310
Chubarov, O.V., see Alimov, A.S. A326 (1993) 391
Chuntonov, A.V., see Chmill, V.B. A326 (1993) 310
Ciampolini, P., see Baccarani, G. A326 (1993) 253
Cinabro, D., see Alexander, J.P. A326 (1993) 243
Cindolo, F., see Beaumont, S.P. A326 (1993) 313
Ciocci, A., see Batignani, G. A326 (1993) 183
Clark, A.G., see Munday, D. A326 (1993) 100
Clark, A.G., see Anghinolfi, F. A326 (1993) 365

Claussen, N., see Fretwurst, E. ... A326 (1993) 357
Claussen, N., see Anghinolfi, F. ... A326 (1993) 365
Clayton, E., see Braem, A. ... A326 (1993) 325
Cockerill, D., see Braem, A. ... A326 (1993) 325
Colledani, C., see Brenner, R. ... A326 (1993) 189
Colledani, C., see Brenner, R. ... A326 (1993) 198
Colocci, M., see Beaumont, S.P. ... A326 (1993) 313
Combley, F.H., see Beaumont, S.P. ... A326 (1993) 313
Cooper, P.S., see Pommot Maia, M. ... A326 (1993) 496
Corriveau, F., The calculations of the magnetic field and forces in the ZEUS detector at HERA ... A326 (1993) 470
Couchot, F., see Brenner, R. ... A326 (1993) 189
Couyoumtzelis, C., see Munday, D. ... A326 (1993) 100
Cova, S., see Lacaita, A. ... A326 (1993) 290
Cowen, D., see Alexander, J.P. ... A326 (1993) 243
Cox, P.T., see Vacchi, A. ... A326 (1993) 267
Coyle, P., see Batignani, G. ... A326 (1993) 183
Croitoru, N., see Fretwurst, E. ... A326 (1993) 357
Cui, W., see McCammon, D. ... A326 (1993) 154
Cummings, A., see Shutt, T. ... A326 (1993) 166
Czermak, A., see Brenner, R. ... A326 (1993) 189
Czermak, A., see Brenner, R. ... A326 (1993) 198

D'Auria, S., see Beaumont, S.P. ... A326 (1993) 313
Dabrowski, W. and J. DeWitt, Silicon strip front-end using a low-noise analog CMOS process ... A326 (1993) 82
Danner, R., see Bräuninger, H. ... A326 (1993) 126
DaSilva, A., see Shutt, T. ... A326 (1993) 166
Davis, C.A., see Sum, V. ... A326 (1993) 489
de los Heros, C., see Chen, W. ... A326 (1993) 273
DeGennaro, S., see Beaumont, S.P. ... A326 (1993) 313
Del Papa, D., see Beaumont, S.P. ... A326 (1993) 313
Delheij, P.P.J., see Triple Collaboration ... A326 (1993) 549
Dell'Orso, R., see Batignani, G. ... A326 (1993) 183
Derbyshire, G.E., see Bras, W. ... A326 (1993) 587
Deutscher, M., see Mende, G. ... A326 (1993) 16
DeWitt, J., see Dabrowski, W. ... A326 (1993) 82
Di Cosimo, G., see Asmone, A. ... A326 (1993) 477
Di Domenico, A., see Asmone, A. ... A326 (1993) 477
Dias, J., see Van Hoorebeke, L. ... A326 (1993) 608
Diambrini Palazzi, G., see Asmone, A. ... A326 (1993) 477
Dietl, H., see Batignani, G. ... A326 (1993) 183
Dobbins, J.A., see Alexander, J.P. ... A326 (1993) 243
Dogru, M., see Beaumont, S.P. ... A326 (1993) 313
Dolgoshein, B., Transition radiation detectors ... A326 (1993) 434
Domenico, A.D., see Asmone, A. ... A326 (1993) 477
Donati, A., see Baldazzi, G. ... A326 (1993) 319
Drees, A., see Chen, W. ... A326 (1993) 273
Drinkard, J., see Batignani, G. ... A326 (1993) 183
Dulinski, W., see Brenner, R. ... A326 (1993) 189
Dulinski, W., see Brenner, R. ... A326 (1993) 198
Dünnweber, W., see Beha, T. ... A326 (1993) 386
Dusi, W., see Baldazzi, G. ... A326 (1993) 319

Eberhard, P., G. Lynch and D. Lambert, Fits of Monte Carlo distributions to data ... A326 (1993) 574
Edwards, M., see Beaumont, S.P. ... A326 (1993) 313
Ehwald, K.-E., see Ritter, G. ... A326 (1993) 3
Ehwald, K.-E., see Pierschel, M. ... A326 (1993) 304
Ellison, J.A., see Barberis, E. ... A326 (1993) 373
Ellman, B., see Shutt, T. ... A326 (1993) 166
Emes, J., see Shutt, T. ... A326 (1993) 166
Engels, Jr., E., see Laakso, M. ... A326 (1993) 214
Evensen, L., A. Hanneborg, T. Happ, A.H. Wuosmaa and R.R. Betts, A fast low noise silicon detector for electron spectroscopy up to 1 MeV ... A326 (1993) 136

Faivre, J.C., see Ahmidouch, A. A326 (1993) 538
Faschingbauer, U., see Chen, W. A326 (1993) 273
Feilitzsch, F.v., see Kraus, H. A326 (1993) 172
Felton, A., see Bras, W. A326 (1993) 587
Fenker, H.C., see Regan, T.O. A326 (1993) 570
Ferguson, P., see Barberis, E. A326 (1993) 373
Filimonov, I., see Pommot Maia, M. A326 (1993) 496
Findeis, N., see Bischoff, A. A326 (1993) 27
Findeis, N., see Pinotti, E. A326 (1993) 85
Findeis, N., see Bräuninger, H. A326 (1993) 126
Findeis, N., see Lechner, P. A326 (1993) 284
Fiori, F., see Beaumont, S.P. A326 (1993) 313
Fischer, P., see Chen, W. A326 (1993) 273
Fleming, J.K., see Barberis, E. A326 (1993) 373
Flietner, H., see Mende, G. A326 (1993) 16
Focardi, E., see Batignani, G. A326 (1993) 183
Fontaine, J.Ch., S. Barthe, J.P. Ponpon, J.P. Schunck and P. Siffert, Characterization of silicon during the fabrication of nuclear detectors by the planar process A326 (1993) 10
Forti, F., see Batignani, G. A326 (1993) 183
Fortier, S., see Laurent, H. A326 (1993) 517
Foster, F., see Beaumont, S.P. A326 (1993) 313
Fowles, P., see Parker, D.J. A326 (1993) 592
Francescato, A., see Beaumont, S.P. A326 (1993) 313
Frankle, C.M., see Triple Collaboration A326 (1993) 549
Fretwurst, E., see Kraner, H.W. A326 (1993) 350
Fretwurst, E., N. Claussen, N. Croitoru, G. Lindström, B. Papendick, U. Pein, H. Schatz, T. Schulz and R. Wunstorf, Radiation hardness of silicon detectors for future colliders A326 (1993) 357
Fretwurst, E., see Anghinolfi, F. A326 (1993) 365
Fuochi, P.G., see Bacchetta, N. A326 (1993) 381
Furutaka, K., see Futami, Y. A326 (1993) 513
Fusillo, G., see Gatti, E. A326 (1993) 279
Futami, Y., T. Mizota, Y.H. Pu, Y. Honjo, K. Yuasa-Nakagawa, H. Toyokawa, S.M. Lee, K. Furutaka, T. Murakami, J. Kasagi, K. Yoshida and T. Nakagawa, Performance of a phoswich detector composed of thin plastic and thick BaF_2 scintillators A326 (1993) 513

Gadomski, S., see Bingefors, N. A326 (1993) 112
Gadomski, S., see Brenner, R. A326 (1993) 189
Gadomski, S., see Brenner, R. A326 (1993) 198
Gadomski, S., M. Turala, E. Barberis, N. Cartiglia, J. Leslie and H.F.-W. Sadrozinski, Pulse shapes of silicon strip detectors as a diagnostic tool A326 (1993) 239
Galès, S., see Laurent, H. A326 (1993) 517
Garufi, F., see Asmone, A. A326 (1993) 477
Gatti, E., see Pinotti, E. A326 (1993) 85
Gatti, E., see Vacchi, A. A326 (1993) 267
Gatti, E., see Chen, W. A326 (1993) 273
Gatti, E. and G. Fusillo, About the precision of time and amplitude measurements in drift detectors A326 (1993) 279
Gauzzi, P., see Asmone, A. A326 (1993) 477
Ghioni, M., see Lacaita, A. A326 (1993) 290
Giacomelli, P., see Vacchi, A. A326 (1993) 267
Gill, D.R., see Sum, V. A326 (1993) 489
Giorgi, M., see Batignani, G. A326 (1993) 183
Giraud-Heraud, Y., see Shutt, T. A326 (1993) 166
Glaser, M., see Anghinolfi, F. A326 (1993) 365
Glassel, P., see Chen, W. A326 (1993) 273
Gogru, M., see Beamont, S.P. A326 (1993) 313
Gonidec, A., see Braem, A. A326 (1993) 325
Gordienko, A.I., see Chmill, V.B. A326 (1993) 310
Gorfine, G., see Anghinolfi, F. A326 (1993) 365
Gorke, H., see Pinotti, E. A326 (1993) 85
Gössling, C., see Munday, D. A326 (1993) 100
Gössling, C., see Anghinolfi, F. A326 (1993) 365

Gould, C.R., see Triple Collaboration A326 (1993) 549
Greaves, G.N., see Bras, W. A326 (1993) 587
Gribov, I.V., see Alimov, A.S. A326 (1993) 391
Gronberg, J., see Alexander, J.P. A326 (1993) 243
Guillot, J., see Laurent, H. A326 (1993) 517
Günzel, T.F., see Chen, W. A326 (1993) 273
Gutsche, M., see Kraus, H. A326 (1993) 172

Haase, D.G., see Triple Collaboration A326 (1993) 549
Haeberli, W., see Ross, M.A. A326 (1993) 424
Haeberli, W., see Price, J.S. A326 (1993) 416
Hall, C.J., see Bras, W. A326 (1993) 587
Hall, G., see Bingefors, N. A326 (1993) 112
Hall, G., D. Vitè and R. Wheadon, Calculation of the geometrical capacitance of silicon microstrip structures using a variational approach A326 (1993) 228
Hall, G., see Braem, A. A326 (1993) 325
Haller, E.E., see Shutt, T. A326 (1993) 166
Hanneborg, A., see Evensen, L. A326 (1993) 136
Hansl-Kozanecka, T., see Batignani, G. A326 (1993) 183
Happ, T., see Evensen, L. A326 (1993) 136
Harr, R., see Brenner, R. A326 (1993) 189
Harr, R., see Brenner, R. A326 (1993) 198
Hattori, T., see Tomizawa, M. A326 (1993) 399
Hauff, D., see Bischoff, A. A326 (1993) 27
Hauff, D., see Pinotti, E. A326 (1993) 85
Hauff, D., see Bräuninger, H. A326 (1993) 126
Hauff, D., see Batignani, G. A326 (1993) 183
Hauff, D., see Lechner, P. A326 (1993) 284
Hawkesworth, M.R., see Parker, D.J. A326 (1993) 592
Heijne, E.H.M., see Munday, D. A326 (1993) 100
Heijne, E.H.M., see Anghinolfi, F. A326 (1993) 365
Heinemann, B., see Pierschel, M. A326 (1993) 304
Henderson, S., see Alexander, J.P. A326 (1993) 243
Hess, F., see Chen, W. A326 (1993) 273
Hess, R., see Ahmidouch, A. A326 (1993) 538
Hietanen, I., see Brenner, R. A326 (1993) 189
Hijzen, E.A., see Schooneveld, E.M. A326 (1993) 263
Holl, P., see Bischoff, A. A326 (1993) 27
Holl, P., see Pinotti, E. A326 (1993) 85
Holl, P., see Bräuninger, H. A326 (1993) 126
Holl, P., see Batignani, G. A326 (1993) 183
Holl, P., see Vacchi, A. A326 (1993) 267
Holl, P., see Chen, W. A326 (1993) 273
Holl, P., see Lechner, P. A326 (1993) 284
Holland, A.D., The effect of bulk traps in proton irradiated EEV CCDs A326 (1993) 335
Hollander, R.W., see Schooneveld, E.M. A326 (1993) 263
Holt, S.S., see McCammon, D. A326 (1993) 154
Holzscheiter, K., see Barberis, E. A326 (1993) 373
Honjo, Y., see Futami, Y. A326 (1993) 513
Honscheid, K., see Alexander, J.P. A326 (1993) 243
Horisberger, R. and D. Pitzl, A novel readout chip for silicon strip detectors with analog pipeline and digitally controlled analog signal processing A326 (1993) 92
Høgh, T.S., see Bingefors, N. A326 (1993) 112
Hou, Y., see Beaumont, S.P. A326 (1993) 313
Houston, P., see Beaumont, S.P. A326 (1993) 313
Hrisoho, A., see Brenner, R. A326 (1993) 189
Husson, D., see Brenner, R. A326 (1993) 189

Iijima, T., see Sum, V. A326 (1993) 489
Irmscher, D., see Chen, W. A326 (1993) 273
Ishkhanov, B.S., see Alimov, A.S. A326 (1993) 391

Jacob, C., see Chen, W. A326 (1993) 273
Jacobsen, R.G., see Batignani, G. A326 (1993) 183
Jalocha, P., see Bingefors, N. A326 (1993) 112
Jalocha, P., see Brenner, R. A326 (1993) 198
Januschewski, F., see Pierschel, M. A326 (1993) 304
Jarron, P., see Munday, D. A326 (1993) 100
Jarron, P., see Anghinolfi, F. A326 (1993) 365
Jerger, S., see Barberis, E. A326 (1993) 373
Jochum, J., see Kraus, H. A326 (1993) 172
Johansen, G.A. and C.B. Johnson, Operational characteristics of an electron-bombarded silicon-diode photomultiplier tube A326 (1993) 295
Johnson, C.B., see Johansen, G.A. A326 (1993) 295
Jones, B., see Beaumont, S.P. A326 (1993) 313
Jones, C.D., see Alexander, J.P. A326 (1993) 243
Joyce, D., see Barberis, E. A326 (1993) 373
Juda, M., see McCammon, D. A326 (1993) 154

Kanazawa, M., see Tomizawa, M. A326 (1993) 399
Kandiah, K. and F.B. Whiting, Limits of resolution of charge sensitive detector systems A326 (1993) 47
Kapustinsky, J.S., see Barberis, E. A326 (1993) 373
Kasagi, J., see Futami, Y. A326 (1993) 513
Kavadias, S., see Misiakos, K. A326 (1993) 38
Kelley, R.L., see McCammon, D. A326 (1993) 154
Kemmather, B., see Kraus, H. A326 (1993) 172
Kemmer, J., see Bischoff, A. A326 (1993) 27
Kemmer, J., see Pinotti, E. A326 (1993) 85
Kemmer, J., see Bräuninger, H. A326 (1993) 126
Kemmer, J. and G. Lutz, Concepts for simplification of strip detector design and production A326 (1993) 209
Kemmer, J., see Vacchi, A. A326 (1993) 267
Kemmer, J., see Chen, W. A326 (1993) 273
Kemmer, J., see Lechner, P. A326 (1993) 284
Kendziorra, E., see Pinotti, E. A326 (1993) 85
Kendziorra, E., see Bräuninger, H. A326 (1993) 126
Kenney, C., see Snoeys, W. A326 (1993) 144
Khludkov, S.S., see Chmill, V.B. A326 (1993) 310
Kikuchi, S., see Tajima, S. A326 (1993) 407
Kink, W., see Pinotti, E. A326 (1993) 85
Klein, P., see Bischoff, A. A326 (1993) 27
Klein, P., see Lechner, P. A326 (1993) 284
Klein, P., see Beha, T. A326 (1993) 386
Klingenberg, R., see Anghinolfi, F. A326 (1993) 365
Knoll, D., see Ritter, G. A326 (1993) 3
Knudson, J.N., see Triple Collaboration A326 (1993) 549
Koch, A., see Moy, J.P. A326 (1993) 581
Kögler, R., see von Borany, J. A326 (1993) 42
Konmura, M., see Saito, K. A326 (1993) 204
Konmura, M., see Yamamoto, K. A326 (1993) 222
Koretskaya, O.B., see Chmill, V.B. A326 (1993) 310
Kornylovskaya, L.D., see Britvich, G.I. A326 (1993) 483
Krämer, J., see Bräuninger, H. A326 (1993) 126
Kraner, H., see Chen, W. A326 (1993) 273
Kraner, H.W., Z. Li and E. Fretwurst, The use of the signal current pulse shape to study the internal electric field profile and trapping effects in neutron damaged silicon detectors A326 (1993) 350
Kraus, H., J. Jochum, B. Kemmather, M. Gutsche, F.v. Feilitzsch and R.L. Mössbauer, High resolution X-ray spectroscopy with superconducting tunnel junctions A326 (1993) 172
Kritidis, P.P., see Pressyanov, D.S. A326 (1993) 613
Kucewicz, W., see Brenner, R. A326 (1993) 189
Kulichenko, A.V., see Britvich, G.I. A326 (1993) 483
Kunne, R.A., see Ahmidouch, A. A326 (1993) 538
Kwan, S., see Anderson, D.F. A326 (1993) 611

La Marra, D., see Munday, D. ... A326 (1993) 100
Laakso, M., P. Singh, E. Engels, Jr. and P.F. Shepard, Operation and radiation resistance of a FOXFET biasing structure for silicon strip detectors ... A326 (1993) 214
Lacaita, A., M. Ghioni, F. Zappa, G. Ripamonti and S. Cova, Recent advances in the detection of optical photons with silicon photodiodes ... A326 (1993) 290
Lambert, D., see Eberhard, P. ... A326 (1993) 574
Lancon, E., see Batignani, G. ... A326 (1993) 183
Landini, G., see Baldazzi, G. ... A326 (1993) 319
Lange, A.E., see Shutt, T. ... A326 (1993) 166
Lauber, J., see Batignani, G. ... A326 (1993) 183
Laurent, H., H. Lefort, D. Beaumel, Y. Blumenfeld, S. Fortier, S. Galès, J. Guillot, J.C. Roynette, P. Volkov and S. Brandenburg, EDEN: a neutron time-of-flight multidetector for decay studies of giant states ... A326 (1993) 517
Lechanoine-Leluc, C., see Ahmidouch, A. ... A326 (1993) 538
Lechner, P., see Bischoff, A. ... A326 (1993) 27
Lechner, P., see Pinotti, E. ... A326 (1993) 85
Lechner, P., see Bräuninger, H. ... A326 (1993) 126
Lechner, P., L. Andricek, N. Findeis, D. Hauff, P. Holl, J. Kemmer, P. Klein, G. Lutz, N. Meidinger, E. Pinotti, L. Strüder and C. von Zanthier, New DEPMOS applications ... A326 (1993) 284
Lee, S.M., see Futami, Y. ... A326 (1993) 513
Lefort, H., see Laurent, H. ... A326 (1993) 517
Lemeilleur, F., see Anghinolfi, F. ... A326 (1993) 365
Leslie, J., see Gadomski, S. ... A326 (1993) 239
Leslie, J., see Barberis, E. ... A326 (1993) 373
Lewis, R.A., see Bras, W. ... A326 (1993) 587
Li, Z., see Chen, W. ... A326 (1993) 273
Li, Z., see Kraner, H.W. ... A326 (1993) 350
Lietzke, C., see Barberis, E. ... A326 (1993) 373
Lindgren, J., see Brenner, R. ... A326 (1993) 189
Lindström, G., see Fretwurst, E. ... A326 (1993) 357
Lindström, G., see Anghinolfi, F. ... A326 (1993) 365
Lisowski, B., see Beaumont, S.P. ... A326 (1993) 313
Litke, A., see Batignani, G. ... A326 (1993) 183
Litovchenko, P.G., see Rosenfeld, A.B. ... A326 (1993) 234
Longoni, A., see Pinotti, E. ... A326 (1993) 85
Longoni, A., see Vacchi, A. ... A326 (1993) 267
Longoni, A., see Chen, W. ... A326 (1993) 273
Loukas, D., see Misiakos, K. ... A326 (1993) 38
Lounis, A., see Brenner, R. ... A326 (1993) 189
Lounis, A., see Brenner, R. ... A326 (1993) 198
Lukianov, I., see Bruzzi, M. ... A326 (1993) 344
Lütjens, G., see Batignani, G. ... A326 (1993) 183
Lutz, G., see Bischoff, A. ... A326 (1993) 27
Lutz, G., see Buttler, W. ... A326 (1993) 63
Lutz, G., see Pinotti, E. ... A326 (1993) 85
Lutz, G., see Bräuninger, H. ... A326 (1993) 126
Lutz, G., see Batignani, G. ... A326 (1993) 183
Lutz, G., see Kemmer, J. ... A326 (1993) 209
Lutz, G., see Lechner, P. ... A326 (1993) 284
Lynch, G., see Eberhard, P. ... A326 (1993) 574
Lynch, J.G., see Beaumont, S.P. ... A326 (1993) 313

McCammon, D., W. Cui, M. Juda, J. Morgenthaler, J. Zhang, R.L. Kelley, S.S. Holt, G.M. Madejski, S.H. Moseley and A.E. Szymkowiak, Thermal calorimeters for high resolution X-ray spectroscopy ... A326 (1993) 154
McCollum, T., see Spector, G.B. ... A326 (1993) 526
McNeil, M., see Batignani, G. ... A326 (1993) 183
McNeil, P., see Parker, D.J. ... A326 (1993) 592
Maaza, M., B. Pardo and F. Bridou, New optical transmission device to produce high monochromatic and high polarized neutron beams based on the tunneling frustrated total reflection in neutron guides ... A326 (1993) 531
Madejski, G.M., see McCammon, D. ... A326 (1993) 154
Malinovskaya, S.A., see Britvich, G.I. ... A326 (1993) 483
Manfredi, P.F., see Buttler, W. ... A326 (1993) 63
Manfredi, P.F., see Radeka, V. ... A326 (1993) 77

Mannelli, E., see Batignani, G. ... A326 (1993) 183
Männer, W., see Batignani, G. ... A326 (1993) 183
Mant, G.R., see Bras, W. ... A326 (1993) 587
Martin, A., see Ahmidouch, A. ... A326 (1993) 538
Mascarini, C., see Ahmidouch, A. ... A326 (1993) 538
Masciocchi, S., see Brenner, R. ... A326 (1993) 189
Matheson, J., see Beaumont, S.P. ... A326 (1993) 313
Matthews, J.A.J., see Barberis, E. ... A326 (1993) 373
Mattison, T., see Batignani, G. ... A326 (1993) 183
Mayet, N., see Brenner, R. ... A326 (1993) 189
Meddeler, G., see Munday, D. ... A326 (1993) 100
Meidinger, N., see Pinotti, E. ... A326 (1993) 85
Meidinger, N., see Bräuninger, H. ... A326 (1993) 126
Meidinger, N., see Lechner, P. ... A326 (1993) 284
Menary, S., see Batignani, G. ... A326 (1993) 183
Mende, G., H. Flietner and M. Deutscher, Anodic oxidation as a method for low temperature passivation of silicon radiation detectors ... A326 (1993) 16
Metzner, G., see Pinotti, E. ... A326 (1993) 85
Meyer, H.O., see Ross, M.A. ... A326 (1993) 424
Michel, J., see Bingefors, N. ... A326 (1993) 112
Minakov, G.D., Yu.N. Pestov, V.S. Prokopenko and L.I. Shekhtman, Performance of gas microstrip chambers on glass with ionic and electronic conductivity ... A326 (1993) 566
Misiakos, K., D. Loukas, E. Tsoi and S. Kavadias, Characterization of high resistivity detector diodes by forward bias measurements ... A326 (1993) 38
Mitchell, G.E., see Triple Collaboration ... A326 (1993) 549
Mizobuchi, A., see Tomizawa, M. ... A326 (1993) 399
Mizota, T., see Futami, Y. ... A326 (1993) 513
Mohan, M., see Bräuninger, H. ... A326 (1993) 126
Moneta, L., see Batignani, G. ... A326 (1993) 183
Moorhead, G., see Munday, D. ... A326 (1993) 100
Moorhead, G., see Anghinolfi, F. ... A326 (1993) 365
Morgenthaler, J., see McCammon, D. ... A326 (1993) 154
Morrison, R.J., see Alexander, J.P. ... A326 (1993) 243
Mortensen, R.N., see Triple Collaboration ... A326 (1993) 549
Moseley, S.H., see McCammon, D. ... A326 (1993) 154
Moser, H.G., see Batignani, G. ... A326 (1993) 183
Mössbauer, R.L., see Kraus, H. ... A326 (1993) 172
Mours, B., see Batignani, G. ... A326 (1993) 183
Moy, J.P., A. Koch and M.B. Nielsen, Conversion efficiency and time response of phosphors for fast X-ray imaging with synchrotron radiation ... A326 (1993) 581
Munday, D., A. Parker, F. Anghinolfi, P. Aspell, M. Campbell, P. Jarron, E.H.M. Heijne, G. Meddeler, J.C. Santiard, H. Verweij, C. Gössling, R. Bonino, A.G. Clark, C. Couyoumtzelis, D. La Marra, X. Wu, G. Moorhead, A. Weidberg, D. Campbell, P. Murray, P. Seller, R. Stevens, E. Beuville, M. Rouget and J. Teiger, A 66 MHz, 32-channel analog memory circuit with data selection for fast silicon detectors ... A326 (1993) 100
Munday, D.J., see Anghinolfi, F. ... A326 (1993) 365
Murakami, T., see Futami, Y. ... A326 (1993) 513
Murray, P., see Munday, D. ... A326 (1993) 100
Muto, H., see Tomizawa, M. ... A326 (1993) 399

Nagai, R., see Tomizawa, M. ... A326 (1993) 399
Nakagawa, T., see Futami, Y. ... A326 (1993) 513
Nakamura, M., see Saito, K. ... A326 (1993) 204
Nakamura, M., see Yamamoto, K. ... A326 (1993) 222
Nakano, T., see Saito, K. ... A326 (1993) 204
Nava, F., see Beaumont, S.P. ... A326 (1993) 313
Nelson, H.N., see Alexander, J.P. ... A326 (1993) 243
Nemitkin, A., see Pommot Maia, M. ... A326 (1993) 496
Nielsen, M.B., see Moy, J.P. ... A326 (1993) 581
Niwa, K., see Saito, K. ... A326 (1993) 204
Niwa, K., see Yamamoto, K. ... A326 (1993) 222
Noda, Y., see Tomizawa, M. ... A326 (1993) 399
Noda, K., see Tomizawa, M. ... A326 (1993) 399

Nuti, M., see Beaumont, S.P. A326 (1993) 313
Nygård, E., see Bingefors, N. A326 (1993) 112

O'Shea, V., see Beaumont, S.P. A326 (1993) 313
Occelli, E., see Anghinolfi, F. A326 (1993) 365
Okada, K., see Sum, V. A326 (1993) 489
Oliver, J., see Regan, T.O. A326 (1993) 570
Olsen, L., see Chen, W. A326 (1993) 273
Orava, R., see Brenner, R. A326 (1993) 189
Ossa, R., see Batignani, G. A326 (1993) 183
Osterberg, K., see Brenner, R. A326 (1993) 189

Paccagnella, A., see Bacchetta, N. A326 (1993) 381
Page, S.A., see Sum, V. A326 (1993) 489
Pagel, H., see Anghinolfi, F. A326 (1993) 365
Palma, F., see Vacchi, A. A326 (1993) 267
Palounek, A.P.T., see Barberis, E. A326 (1993) 373
Pancella, P.V., see Ross, M.A. A326 (1993) 424
Papendick, B., see Fretwurst, E. A326 (1993) 357
Papendick, B., see Anghinolfi, F. A326 (1993) 365
Pardo, B., see Maaza, M. A326 (1993) 531
Parker, A., see Munday, D. A326 (1993) 100
Parker, D.J., C.J. Broadbent, P. Fowles, M.R. Hawkesworth and P. McNeil, Positron emission particle tracking – a technique for studying flow within engineering equipment A326 (1993) 592
Parker, M.A., see Anghinolfi, F. A326 (1993) 365
Parker, S., see Snoeys, W. A326 (1993) 144
Parrini, G., see Batignani, G. A326 (1993) 183
Pate, S.F., see Ross, M.A. A326 (1993) 424
Pavlenko, Yu.N., see Rosenfeld, A.B. A326 (1993) 234
Payne, R., see Braem, A. A326 (1993) 325
Pein, U., see Fretwurst, E. A326 (1993) 357
Peisert, A., see Brenner, R. A326 (1993) 189
Peisert, A., see Brenner, R. A326 (1993) 198
Pelfer, P.G., see Beaumont, S.P. A326 (1993) 313
Penttilä, S.I., see Triple Collaboration A326 (1993) 549
Peresypkin, A.I., see Britvich, G.I. A326 (1993) 483
Perrot-Kunne, F., see Ahmidouch, A. A326 (1993) 538
Peskov, V., see Anderson, D.F. A326 (1993) 611
Pestov, Yu.N., see Minakov, G.D. A326 (1993) 566
Pfeiffer, A., see Chen, W. A326 (1993) 273
Piccinini, S., see Batignani, G. A326 (1993) 183
Pierantoni, A., see Baccarani, G. A326 (1993) 253
Pierschel, M., K.-E. Ehwald, B. Heinemann, F. Januschewski, T. Schmitz and O. Schröder, A BCCD-based dosimeter for mixed radiation fields A326 (1993) 304
Pinotti, E., H. Bräuninger, N. Findeis, H. Gorke, D. Hauff, P. Holl, J. Kemmer, P. Lechner, G. Lutz, W. Kink, N. Meidinger, G. Metzner, P. Predehl, C. Reppin, L. Strüder, J. Trümper, C. v. Zanthier, E. Kendziorra, R. Staubert, V. Radeka, P. Rehak, G. Bertuccio, E. Gatti, A. Longoni, A. Pullia and M. Sampietro, The pn-CCD on-chip electronics A326 (1993) 85
Pinotti, E., see Bräuninger, H. A326 (1993) 126
Pinotti, E., see Lechner, P. A326 (1993) 284
Pischedda, M., see Beaumont, S.P. A326 (1993) 313
Piskarev, I.M., see Alimov, A.S. A326 (1993) 391
Pitts, W.K., see Ross, M.A. A326 (1993) 424
Pitzl, D., see Horisberger, R. A326 (1993) 92
Pitzl, D., see Barberis, E. A326 (1993) 373
Plummer, J., see Snoeys, W. A326 (1993) 144
Pollmann, D., see Anghinolfi, F. A326 (1993) 365
Pollock, R.E., see Ross, M.A. A326 (1993) 424
Pommot Maia, M., P.S. Cooper, L. Stutte, V. Solyanik, I. Filimonov and A. Nemitkin, A phototube RICH detector A326 (1993) 496
Ponpon, J.P., see Fontaine, J.Ch. A326 (1993) 10
Poppleton, A., see Anghinolfi, F. A326 (1993) 365
Postma, H., see Triple Collaboration A326 (1993) 549

Potapov, A.I., see Chmill, V.B. A326 (1993) 310
Predehl, P., see Pinotti, E. A326 (1993) 85
Pressyanov, D.S., I.P. Uzunov and P.P. Kritidis, Optimization of the counting time for the determination of ^{222}Rn daughters A326 (1993) 613
Price, J.S. and W. Haeberli, Polarization measurement for polarized gas targets A326 (1993) 416
Prokopenko, V.S., see Minakov, G.D. A326 (1993) 566
Pu, Y.H., see Futami, Y. A326 (1993) 513
Pugatch, V.M., see Rosenfeld, A.B. A326 (1993) 234
Pullia, A., see Pinotti, E. A326 (1993) 85
Pyshchev, A.I., see Britvich, G.I. A326 (1993) 483

Quarles, C.A., Double atomic-field bremsstrahlung from thick targets, Nucl. Instr. and Meth. A280 (1989) 202–206 *(Erratum)* A326 (1993) 615

Radeka, V., S. Rescia, P.F. Manfredi, V. Re and V. Speziali, Monolithic preamplifier employing epitaxial n-channel JFETS A326 (1993) 77
Radeka, V., see Pinotti, E. A326 (1993) 85
Raine, C., see Beaumont, S.P. A326 (1993) 313
Ramsay, W.D., see Sum, V. A326 (1993) 489
Rapin, D., see Ahmidouch, A. A326 (1993) 538
Raymond, M., see Bingefors, N. A326 (1993) 112
RD2 Collaboration see Munday, D. A326 (1993) 100
RD2 Collaboration see Anghinolfi, F. A326 (1993) 365
Re, V., see Radeka, V. A326 (1993) 77
Redlinger, G., see Batignani, G. A326 (1993) 183
Regan, T.O., H.C. Fenker, J. Thomas and J. Oliver, A method to quench and recharge avalanche photo diodes for use in high rate situations A326 (1993) 570
Rehak, P., see Bertuccio, G. A326 (1993) 71
Rehak, P., see Pinotti, E. A326 (1993) 85
Rehak, P., see Vacchi, A. A326 (1993) 267
Rehak, P., see Chen, W. A326 (1993) 273
Reppin, C., see Pinotti, E. A326 (1993) 85
Reppin, C., see Bräuninger, H. A326 (1993) 126
Rescia, S., see Radeka, V. A326 (1993) 77
Richter, R., see Lechner, P. A326 (1993) 284
Richter, R.H., see Bischoff, A. A326 (1993) 27
Rinckel, T., see Ross, M.A. A326 (1993) 424
Ripamonti, G., see Lacaita, A. A326 (1993) 290
Ritter, G., K.-E. Ehwald and D. Knoll, Gettering and defect engineering for a low noise CCD compatible 1.5 μm BICMOS technology A326 (1993) 3
Rizzi, D., see Batignani, G. A326 (1993) 183
Rizzo, G., see Batignani, G. A326 (1993) 183
Roberson, N.R., see Triple Collaboration A326 (1993) 549
Roe, S., see Braem, A. A326 (1993) 325
Rolf, A., see Anghinolfi, F. A326 (1993) 365
Ronnqvist, C., see Brenner, R. A326 (1993) 189
Roos, L., see Batignani, G. A326 (1993) 183
Rosenfeld, A.B., V.M. Pugatch, O.S. Zinets, P.G. Litovchenko, L.I. Barabash, Yu.N. Pavlenko and Yu.O. Vasilyev, Strip detector for short-range particles A326 (1993) 234
Ross, M.A., W.K. Pitts, W. Haeberli, H.O. Meyer, S.F. Pate, R.E. Pollock, B. von Przewoski, T. Rinckel, J. Sowinski, F. Sperisen and P.V. Pancella, Test of a windowless storage cell target in a proton storage ring A326 (1993) 424
Ross, R.R., see Shutt, T. A326 (1993) 166
Rosseel, G., see Snoeys, W. A326 (1993) 144
Rossi, M., see Baldazzi, G. A326 (1993) 319
Rouget, M., see Munday, D. A326 (1993) 100
Rousseau, D., see Batignani, G. A326 (1993) 183
Rowe, W.A., see Barberis, E. A326 (1993) 373
Roynette, J.C., see Laurent, H. A326 (1993) 517
Rubin, P., see Alexander, J.P. A326 (1993) 243
Rudge, A., see Bingefors, N. A326 (1993) 112
Rudge, A., see Brenner, R. A326 (1993) 189
Rudge, A., see Brenner, R. A326 (1993) 198

Ryan, A.J., see Bras, W. ... A326 (1993) 587
Ryckbosch, D., see Van Hoorebeke, L. ... A326 (1993) 608
Rykalin, V.I., see Britvich, G.I. ... A326 (1993) 483
Rzhanov, A.G., see Alimov, A.S. ... A326 (1993) 391

Sachdeva, R., see Bingefors, N. ... A326 (1993) 112
Sadoulet, B., see Shutt, T. ... A326 (1993) 166
Sadrozinski, H.F.-W., see Gadomski, S. ... A326 (1993) 239
Sadrozinski, H.F.-W., see Barberis, E. ... A326 (1993) 373
Saito, K., M. Konmura, M. Nakamura, H. Tajima, K. Teraoka, T. Nakano, O. Sato, K. Niwa, K. Yamamoto and K. Yamamura, Basic characters of silicon strip detectors with double layer aluminum electrodes ... A326 (1993) 204
Saito, K., see Yamamoto, K. ... A326 (1993) 222
Sampietro, M., see Pinotti, E. ... A326 (1993) 85
Sampietro, M., see Vacchi, A. ... A326 (1993) 267
Sampietro, M., see Chen, W. ... A326 (1993) 273
Santana, J., see Beaumont, S.P. ... A326 (1993) 313
Santiard, J.C., see Munday, D. ... A326 (1993) 100
Santos, D., see Brenner, R. ... A326 (1993) 189
Sato, O., see Saito, K. ... A326 (1993) 204
Saunders, I., see Beaumont, S.P. ... A326 (1993) 313
Scampoli, P., see Anghinolfi, F. ... A326 (1993) 365
Schaeffer, M., see Brenner, R. ... A326 (1993) 189
Schaeffer, M., see Brenner, R. ... A326 (1993) 198
Schatz, H., see Fretwurst, E. ... A326 (1993) 357
Schinzel, D., see Braem, A. ... A326 (1993) 325
Schmidt, B., J.v. Borany and D. Schubert, Application of wet chemical selective etch techniques to the fabrication of thin silicon detectors ... A326 (1993) 21
Schmidt, D.M., see Alexander, J.P. ... A326 (1993) 243
Schmitt, B., see Chen, W. ... A326 (1993) 273
Schmitz, T., see Pierschel, M. ... A326 (1993) 304
Schoen, A., see Chen, W. ... A326 (1993) 273
Schooneveld, E.M., C.W.E. van Eijk, R.W. Hollander and E.A. Hijzen, Study of the position-sensitive detection of X-rays with a silicon drift chamber ... A326 (1993) 263
Schröder, O., see Pierschel, M. ... A326 (1993) 304
Schubert, D., see Schmidt, B. ... A326 (1993) 21
Schulz, T., see Fretwurst, E. ... A326 (1993) 357
Schulz, T., see Anghinolfi, F. ... A326 (1993) 365
Schumacher, R.A., see Sum, V. ... A326 (1993) 489
Schunck, J.P., see Fontaine, J.Ch. ... A326 (1993) 10
Schwarz, A.S., see Batignani, G. ... A326 (1993) 183
Schwemling, P., see Batignani, G. ... A326 (1993) 183
Seestrom, S.J., see Triple Collaboration ... A326 (1993) 549
Seez, C., see Braem, A. ... A326 (1993) 325
Seidl, W., see Braem, A. ... A326 (1993) 325
Selen, M., see Alexander, J.P. ... A326 (1993) 243
Seller, P., see Munday, D. ... A326 (1993) 100
Seller, P., see Brenner, R. ... A326 (1993) 189
Seller, P.H., see Beaumont, S.P. ... A326 (1993) 313
Serbo, V.V., see Aulchenko, V.M. ... A326 (1993) 120
Sergeev, V.A., see Chmill, V.B. ... A326 (1993) 310
Settles, R., see Batignani, G. ... A326 (1993) 183
Seywerd, H., see Batignani, G. ... A326 (1993) 183
Sharma, V., see Batignani, G. ... A326 (1993) 183
Shekhtman, L.I., see Minakov, G.D. ... A326 (1993) 566
Shepard, P.F., see Laakso, M. ... A326 (1993) 214
Shershukov, V.M., see Britvich, G.I. ... A326 (1993) 483
Shumakov, A.V., see Alimov, A.S. ... A326 (1993) 391
Shutt, T., P.D. Barnes, Jr., A. Cummings, A. DaSilva, B. Ellman, J. Emes, Y. Giraud-Heraud, E.E. Haller, A.E. Lange, R.R. Ross, B. Sadoulet, G. Smith, C. Stubbs, W. Stockwell, N. Wang, S. White, B.A. Young and D. Yvon, A cryogenic detector with simultaneous phonon and ionization measurement for background rejection ... A326 (1993) 166
Shvedunov, V.I., see Alimov, A.S. ... A326 (1993) 391

Siffert, P., see Fontaine, J.Ch. A326 (1993) 10
Singh, P., see Laakso, M. A326 (1993) 214
Skillikorn, I.O., see Beaumont, S.P. A326 (1993) 313
Skinner, D., see Barberis, E. A326 (1993) 373
Skripkina, V.T., see Britvich, G.I. A326 (1993) 483
Sloan, T., see Beaumont, S.P. A326 (1993) 313
Smith, A., see Brenner, R. A326 (1993) 189
Smith, G., see Shutt, T. A326 (1993) 166
Smith, K.M., see Beaumont, S.P. A326 (1993) 313
Smol, A.V., see Chmill, V.B. A326 (1993) 310
Snoeys, W., J. Plummer, G. Rosseel, C.H. Aw, C. Kenney and S. Parker, First beam test results from a monolithic silicon pixel detector A326 (1993) 144
Sobolewski, Z., see Alexander, J.P. A326 (1993) 243
Solyanik, V., see Pommot Maia, M. A326 (1993) 496
Sommer, W.F., see Barberis, E. A326 (1993) 373
Sondheim, W.E., see Barberis, E. A326 (1993) 373
Sotnikov, M.A., see Alimov, A.S. A326 (1993) 391
Sowinski, J., see Ross, M.A. A326 (1993) 424
Specht, H.J., see Chen, W. A326 (1993) 273
Spector, G.B., T. McCollum and A.R. Spowart, Advances in terbium-doped, lithium-loaded scintillator glass development A326 (1993) 526
Sperisen, F., see Ross, M.A. A326 (1993) 424
Speziali, V., see Buttler, W. A326 (1993) 63
Speziali, V., see Radeka, V. A326 (1993) 77
Spowart, A.R., see Spector, G.B. A326 (1993) 526
Sprakelaar, G.J.v., see Wouters, S.E. A326 (1993) 299
Stalio, R., A. Bucconi, P. Trampus, F. Visintini, F.D. Carlo and A. Antonini, A calibration bench for electro-optical characterization of CCD sensors A326 (1993) 150
Staubert, R., see Pinotti, E. A326 (1993) 85
Staubert, R., see Bräuninger, H. A326 (1993) 126
Steiner, V., see Chen, W. A326 (1993) 273
Stephen, J.B., see Baldazzi, G. A326 (1993) 319
Stevens, R., see Munday, D. A326 (1993) 100
Stockwell, W., see Shutt, T. A326 (1993) 166
Straver, J., see Brenner, R. A326 (1993) 189
Straver, J., see Brenner, R. A326 (1993) 198
Striebig, J., see Braem, A. A326 (1993) 325
Strüder, L., see Bischoff, A. A326 (1993) 27
Strüder, L., see Pinotti, E. A326 (1993) 85
Strüder, L., see Bräuninger, H. A326 (1993) 126
Strüder, L., see Batignani, G. A326 (1993) 183
Strüder, L., see Lechner, P. A326 (1993) 284
Stubbs, C., see Shutt, T. A326 (1993) 166
Stutte, L., see Pommot Maia, M. A326 (1993) 496
Sum, V., A.R. Berdoz, C.A. Davis, S.A. Page, W.D. Ramsay, W.T.H. van Oers, R.A. Schumacher, V.J. Zeps, D.R. Gill, T. Iijima, K. Okada and F. Takeutchi, A Time-of-flight array for 1 to 2 GeV/c particles A326 (1993) 489
Surma, I.V., see Alimov, A.S. A326 (1993) 391
Szymanski, J.J., see Triple Collaboration A326 (1993) 549
Szymkowiak, A.E., see McCammon, D. A326 (1993) 154

Tajima, H., see Saito, K. A326 (1993) 204
Tajima, H., see Alexander, J.P. A326 (1993) 243
Tajima, S., T. Yoshida and S. Kikuchi, Measurements of the negative ion beam emittance for the JAERI tandem accelerator A326 (1993) 407
Takeutchi, F., see Sum, V. A326 (1993) 489
Tapprogge, S., see Chen, W. A326 (1993) 273
Tartoni, N., see Beaumont, S.P. A326 (1993) 313
Taylor, G., see Batignani, G. A326 (1993) 183
Taylor, G., see Anghinolfi, F. A326 (1993) 365
Teiger, J., see Munday, D. A326 (1993) 100
ten Have, I., see Beaumont, S.P. A326 (1993) 313
Teraoka, K., see Saito, K. A326 (1993) 204

Thomas, J., see Regan, T.O. A326 (1993) 570
Titov, V.M., see Aulchenko, V.M. A326 (1993) 120
Tiunov, A.V., see Alimov, A.S. A326 (1993) 391
Tolbanov, O.P., see Chmill, V.B. A326 (1993) 310
Tomasini, A., see Buttler, W. A326 (1993) 63
Tomizawa, M., M. Yoshizawa, K. Chida, J. Yoshizawa, Y. Arakaki, R. Nagai, A. Mizobuchi, Y. Noda, K. Noda, M. Kanazawa, A. Ando, H. Muto and T. Hattori, Slow beam extraction at TARN II A326 (1993) 399
Tonelli, G., see Batignani, G. A326 (1993) 183
Tovey, S., see Anghinolfi, F. A326 (1993) 365
Toyokawa, H., see Futami, Y. A326 (1993) 513
Trampus, P., see Stalio, R. A326 (1993) 150
Triggiani, G., see Batignani, G. A326 (1993) 183
Triple Collaboration, Roberson, N.R., C.D. Bowman, J.D. Bowman, P.P.J. Delheij, C.M. Frankle, C.R. Gould, D.G. Haase, J.N. Knudson, G.E. Mitchell, R.N. Mortensen, S.I. Penttilä, H. Postma, S.J. Seestrom, J.J. Szymanski, S.A. Wender, S.H. Yoo, V.W. Yuan and X. Zhu, An apparatus and techniques for tests for fundamental symmetries in compound-nucleus scattering with epithermal polarized neutron beams A326 (1993) 549
Troung, K., see Brenner, R. A326 (1993) 189
Trümper, J., see Pinotti, E. A326 (1993) 85
Trümper, J., see Bräuninger, H. A326 (1993) 126
Tserruya, I., see Chen, W. A326 (1993) 273
Tsoi, E., see Misiakos, K. A326 (1993) 38
Tsyupa, Yu.P., see Chmill, V.B. A326 (1993) 310
Turala, M., see Brenner, R. A326 (1993) 189
Turala, M., see Brenner, R. A326 (1993) 198
Turala, M., see Gadomski, S. A326 (1993) 239
Turchetta, R., see Brenner, R. A326 (1993) 189
Turchetta, R., see Brenner, R. A326 (1993) 198
Turnbull, R.M., see Beaumont, S.P. A326 (1993) 313
Tuuva, T., see Brenner, R. A326 (1993) 189
Tyndel, M., see Brenner, R. A326 (1993) 189

Ullrich, Th., see Chen, W. A326 (1993) 273
Ushkanov, V.A., see Alimov, A.S. A326 (1993) 391
Uzunov, I.P., see Pressyanov, D.S. A326 (1993) 613

v.d. Lippe, H., see Bingefors, N. A326 (1993) 112
Vacchi, A., P.T. Cox, P. Giacomelli, A. Castoldi, S. Chinnici, E. Gatti, A. Longoni, F. Palma, M. Sampietro, P. Rehak, G. Ballocchi, J. Kemmer and P. Holl, Beam test of a large area silicon drift detector A326 (1993) 267
Van de Vyver, R., see Van Hoorebeke, L. A326 (1993) 608
Van den Abeele, C., see Van Hoorebeke, L. A326 (1993) 608
van Eijk, C.W.E., see Schooneveld, E.M. A326 (1993) 263
Van Hoorebeke, L., D. Ryckbosch, C. Van den Abeele, R. Van de Vyver and J. Dias, Microstructure in the electron beam and the shape of tagging TDC spectra A326 (1993) 608
van Oers, W.T.H., see Sum, V. A326 (1993) 489
van Sprakelaar, G.J., see Wouters, S.E. A326 (1993) 299
von Borany, J., see Schmidt, B. A326 (1993) 21
von Borany, J., and R. Kögler, The influence of preamorphization on the properties of shallow p^+n-junctions in silicon radiation detectors A326 (1993) 42
von Feilitzsch, F., see Kraus, H. A326 (1993) 172
von Przewoski, B., see Ross, M.A. A326 (1993) 424
von Zanthier, C., see Pinotti, E. A326 (1993) 85
Vannini, C., see Batignani, G. A326 (1993) 183
Vasil'chenko, V.G., see Britvich, G.I. A326 (1993) 483
Vasilyev, Yu.O., see Rosenfeld, A.B. A326 (1993) 234
Vegni, G., see Brenner, R. A326 (1993) 189
Verdini, P.G., see Batignani, G. A326 (1993) 183
Verweij, H., see Munday, D. A326 (1993) 100
Vinattieri, A., see Beaumont, S.P. A326 (1993) 313
Virdee, T.S., see Braem, A. A326 (1993) 325
Visintini, F., see Stalio, R. A326 (1993) 150
Vitè, D., see Hall, G. A326 (1993) 228
Volkov, P., see Laurent, H. A326 (1993) 517
von Zanthier, C., see Bräuninger, H. A326 (1993) 126

Vorobiev, A.P., see Chmill, V.B. ... A326 (1993) 310
Voutilainen, M., see Brenner, R. ... A326 (1993) 189

Walsh, J., see Batignani, G. ... A326 (1993) 183
Walterman, G., see Batignani, G. ... A326 (1993) 183
Walther, S., see Batignani, G. ... A326 (1993) 183
Wang, N., see Shutt, T. ... A326 (1993) 166
Wear, J., see Batignani, G. ... A326 (1993) 183
Weber, F., see Batignani, G. ... A326 (1993) 183
Weidberg, A., see Munday, D. ... A326 (1993) 100
Weidberg, A.R., see Anghinolfi, F. ... A326 (1993) 365
Weilhammer, P., see Bingefors, N. ... A326 (1993) 112
Weilhammer, P., see Brenner, R. ... A326 (1993) 189
Weilhammer, P., see Brenner, R. ... A326 (1993) 198
Wender, S.A., see Triple Collaboration ... A326 (1993) 549
Wermes, N., see Chen, W. ... A326 (1993) 273
Wheadon, R., see Hall, G. ... A326 (1993) 228
White, S., see Shutt, T. ... A326 (1993) 166
Whiting, F.B., see Kandiah, K. ... A326 (1993) 47
Wimpenny, S.J., see Barberis, E. ... A326 (1993) 373
Worden, H.M., see Alexander, J.P. ... A326 (1993) 243
Wörner, A., see Chen, W. ... A326 (1993) 273
Wouters, S.E. and G.J. van Sprakelaar, Diffusion-based silicon nuclear radiation detectors with on-chip readout circuitry ... A326 (1993) 299
Wu, X., see Munday, D. ... A326 (1993) 100
Wu, X., see Anghinolfi, F. ... A326 (1993) 365
Wuerthwein, F.K., see Alexander, J.P. ... A326 (1993) 243
Wunstorf, R., see Fretwurst, E. ... A326 (1993) 357
Wunstorf, R., see Anghinolfi, F. ... A326 (1993) 365
Wuosmaa, A.H., see Evensen, L. ... A326 (1993) 136
Wurm, J.P., see Chen, W. ... A326 (1993) 273

Xi, D., see Bertuccio, G. ... A326 (1993) 71

Yamamoto, H., see Alexander, J.P. ... A326 (1993) 243
Yamamoto, K., see Saito, K. ... A326 (1993) 204
Yamamoto, K., K. Yamamura, K. Saito, M. Konmura, M. Nakamura and K. Niwa, A study on the interstrip capacitance of double-sided silicon strip detectors ... A326 (1993) 222
Yamamura, K., see Saito, K. ... A326 (1993) 204
Yamamura, K., see Yamamoto, K. ... A326 (1993) 222
Yoo, S.H., see Triple Collaboration ... A326 (1993) 549
Yoshida, K., see Futami, Y. ... A326 (1993) 513
Yoshida, T., see Tajima, S. ... A326 (1993) 407
Yoshioka, K., see Bingefors, N. ... A326 (1993) 112
Yoshizawa, J., see Tomizawa, M. ... A326 (1993) 399
Yoshizawa, M., see Tomizawa, M. ... A326 (1993) 399
Young, B.A., see Shutt, T. ... A326 (1993) 166
Yuan, V.W., see Triple Collaboration ... A326 (1993) 549
Yuasa-Nakagawa, K., see Futami, Y. ... A326 (1993) 513
Yushko, E.G., see Britvich, G.I. ... A326 (1993) 483
Yvon, D., see Shutt, T. ... A326 (1993) 166

Zanello, D., see Asmone, A. ... A326 (1993) 477
Zappa, F., see Lacaita, A. ... A326 (1993) 290
Zeps, V.J., see Sum, V. ... A326 (1993) 489
Zhang, J., see McCammon, D. ... A326 (1993) 154
Ren-yuan Zhu see Zong-ying Wei ... A326 (1993) 508
Zhu, X., see Triple Collaboration ... A326 (1993) 549
Zichichi, A., see Beaumont, S.P. ... A326 (1993) 313
Zinets, O.S., see Rosenfeld, A.B. ... A326 (1993) 234
Ziock, H.J., see Barberis, E. ... A326 (1993) 373
Zong-ying Wei and Ren-yuan Zhu, A study on undoped CsI crystals ... A326 (1993) 508
Zorzi, G.D., see Asmone, A. ... A326 (1993) 477

Nuclear Instruments and Methods in Physics Research A326 (1993) 634–638
North-Holland

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH
Section A

Subject index

Accelerators, Beam Handling and Targets

Performance of the 6 MeV injector for the Moscow racetrack microtron, A.S. Alimov, A.S. Chepurnov, O.V. Chubarov, I.V. Gribov, B.S. Ishkhanov, I.M. Piskarev, A.G. Rzhanov, M.A. Sotnikov, I.V. Surma, A.V. Shumakov, V.I. Shvedunov, A.V. Tiunov and V.A. Ushkanov A326 (1993) 391
Slow beam extraction at TARN II, M. Tomizawa, M. Yoshizawa, K. Chida, J. Yoshizawa, Y. Arakaki, R. Nagai, A. Mizobuchi, Y. Noda, K. Noda, M. Kanazawa, A. Ando, H. Muto and T. Hattori A326 (1993) 399
Measurements of the negative ion beam emittance for the JAERI tandem accelerator, S. Tajima, T. Yoshida and S. Kikuchi A326 (1993) 407
Polarization measurement for polarized gas targets, J.S. Price and W. Haeberli A326 (1993) 416
Test of a windowless storage cell target in a proton storage ring, M.A. Ross, W.K. Pitts, W. Haeberli, H.O. Meyer, S.F. Pate, R.E. Pollock, B. von Przewoski, T. Rinckel, J. Sowinski, F. Sperisen and P.V. Pancella . A326 (1993) 424
Microstructure in the electron beam and the shape of tagging TDC spectra, L. Van Hoorebeke, D. Ryckbosch, C. Van den Abeele, R. Van de Vyver and J. Dias A326 (1993) 608

Instruments and Methods for High Energy Physics

Proceedings of the 6th European Semiconductor Symposium on Semiconductor Detectors (24–26 February 1992, Milano, Italy)

Section I. Detector fabrication

Gettering and defect engineering for a low noise CCD compatible 1.5 μm BICMOS technology, G. Ritter, K.-E. Ehwald and D. Knoll A326 (1993) 3
Characterization of silicon during the fabrication of nuclear detectors by the planar process, J.Ch. Fontaine, S. Barthe, J.P. Ponpon, J.P. Schunck and P. Siffert A326 (1993) 10
Anodic oxidation as a method for low temperature passivation of silicon radiation detectors, G. Mende, H. Flietner and M. Deutscher A326 (1993) 16
Application of wet chemical selective etch techniques to the fabrication of thin silicon detectors, B. Schmidt, J. von Borany and D. Schubert A326 (1993) 21
Breakdown protection and long-term stabilisation for Si-detectors, A. Bischoff, N. Findeis, D. Hauff, P. Holl, J. Kemmer, P. Klein, P. Lechner, G. Lutz, R.H. Richter and L. Strüder A326 (1993) 27
Characterization of high resistivity detector diodes by forward bias measurements, K. Misiakos, D. Loukas, E. Tsoi and S. Kavadias A326 (1993) 38
The influence of preamorphization on the properties of shallow p^+n-junctions in silicon radiation detectors, J. von Borany and R. Kögler A326 (1993) 42

Section II. Electronics

Limits of resolution of charge sensitive detector systems, K. Kandiah and F.B. Whiting A326 (1993) 47
Short channel, CMOS-compatible JFET in low noise applications, W. Buttler, G. Lutz, G. Cesura, P.F. Manfredi, V. Speziali and A. Tomasini A326 (1993) 63
A novel charge sensitive preamplifier without the feedback resistor, G. Bertuccio, P. Rehak and D. Xi A326 (1993) 71
Monolithic preamplifier employing epitaxial n-channel JFETS, V. Radeka, S. Rescia, P.F. Manfredi, V. Re and V. Speziali A326 (1993) 77
Silicon strip front-end using a low-noise analog CMOS process, W. Dabrowski and J. DeWitt A326 (1993) 82
The pn-CCD on-chip electronics, E. Pinotti, H. Bräuninger, N. Findeis, H. Gorke, D. Hauff, P. Holl, J. Kemmer, P. Lechner, G. Lutz, W. Kink, N. Meidinger, G. Metzner, P. Predehl, C. Reppin, L. Strüder, J. Trümper, C. von Zanthier, E. Kendziorra, R. Staubert, V. Radeka, P. Rehak, G. Bertuccio, E. Gatti, A. Longoni, A. Pullia and M. Sampietro A326 (1993) 85

0168-9002/93/$06.00 © 1993 – Elsevier Science Publishers B.V. All rights reserved

A novel readout chip for silicon strip detectors with analog pipeline and digitally controlled analog signal processing, R. Horisberger and D. Pitzl A326 (1993) 92
A 66 MHz, 32-channel analog memory circuit with data selection for fast silicon detectors, D. Munday, A. Parker, F. Anghinolfi, P. Aspell, M. Campbell, P. Jarron, E.H.M. Heijne, G. Meddeler, J.C. Santiard, H. Verweij, C. Gössling, R. Bonino, A.G. Clark, C. Couyoumtzelis, D. La Marra, X. Wu, G. Moorhead, A. Weidberg, D. Campbell, P. Murray, P. Seller, R. Stevens, E. Beuville, M. Rouget and J. Teiger A326 (1993) 100
A novel technique for fast pulse-shaping using a slow amplifier at LHC, N. Bingefors, S. Bouvier, S. Gadomski, G. Hall, T.S. Høgh, P. Jalocha, H. v.d. Lippe, J. Michel, E. Nygård, M. Raymond, A. Rudge, R. Sachdeva, P. Weilhammer and K. Yoshioka A326 (1993) 112
The study of the possibility to use CAMEX chips in collider experiments with short bunch crossing time, V.M. Aulchenko, A.G. Chilingarov, V.V. Serbo and V.M. Titov A326 (1993) 120

Section III. Pixel detectors

First results with the pn-CCD detector system for the XMM satellite mission, H. Bräuninger, R. Danner, D. Hauff, P. Lechner, G. Lutz, N. Meidinger, E. Pinotti, C. Reppin, L. Strüder, J. Trümper, E. Kendziorra, J. Krämer, M. Mohan, R. Staubert, N. Findeis, P. Holl, J. Kemmer and C. von Zanthier A326 (1993) 126
A fast low noise silicon detector for electron spectroscopy up to 1 MeV, L. Evensen, A. Hanneborg, T. Happ, A.H. Wuosmaa and R.R. Betts A326 (1993) 136
First beam test results from a monolithic silicon pixel detector, W. Snoeys, J. Plummer, G. Rosseel, C.H. Aw, C. Kenney and S. Parker A326 (1993) 144
A calibration bench for electro-optical characterization of CCD sensors, R. Stalio, A. Bucconi, P. Trampus, F. Visintini, F.D. Carlo and A. Antonini A326 (1993) 150

Section IV. Thermal detectors

Thermal calorimeters for high resolution X-ray spectroscopy, D. McCammon, W. Cui, M. Juda, J. Morgenthaler, J. Zhang, R.L. Kelley, S.S. Holt, G.M. Madejski, S.H. Moseley and A.E. Szymkowiak A326 (1993) 154
A cryogenic detector with simultaneous phonon and ionization measurement for background rejection, T. Shutt, P.D. Barnes, Jr., A. Cummings, A. DaSilva, B. Ellman, J. Emes, Y. Giraud-Heraud, E.E. Haller, A.E. Lange, R.R. Ross, B. Sadoulet, G. Smith, C. Stubbs, W. Stockwell, N. Wang, S. White, B.A. Young and D. Yvon A326 (1993) 166
High resolution X-ray spectroscopy with superconducting tunnel junctions, H. Kraus, J. Jochum, B. Kemmather, M. Gutsche, F. von Feilitzsch and R.L. Mössbauer A326 (1993) 172

Section V. Silicon microstrip detectors

Operational experience with a large detector system using silicon strip detectors with double sided readout, G. Batignani, C. Bauer, H. Becker, B. Bloch-Devaux, J. Boudreau, D. Brown, F. Bosi, L. Bosisio, M. Carpinelli, J. Carr, P. Cattaneo, A. Ciocci, P. Coyle, R. Dell'Orso, H. Dietl, J. Drinkard, E. Focardi, F. Forti, M. Giorgi, T. Hansl-Kozanecka, D. Hauff, P. Holl, R.G. Jacobsen, E. Lancon, J. Lauber, A. Litke, G. Lutz, G. Lütjens, E. Mannelli, W. Männer, T. Mattison, M. McNeil, S. Menary, L. Moneta, H.G. Moser, B. Mours, R. Ossa, G. Parrini, S. Piccinini, G. Redlinger, D. Rizzi, G. Rizzo, L. Roos, D. Rousseau, G. Taylor, G. Tonelli, G. Triggiani, A.S. Schwarz, P. Schwemling, R. Settles, H. Seywerd, V. Sharma, L. Strüder, C. Vannini, P.G. Verdini, J. Walsh, G. Walterman, S. Walther, J. Wear and F. Weber A326 (1993) 183
Measurement of the spatial resolution of double-sided double-metal AC-coupled silicon microstrips detectors, R. Brenner, R. Harr, A. Rudge, D. Santos, J. Straver, P. Weilhammer, A. Czermak, S. Gadomski, M. Turala, V. Bonvicini, W. Kucewicz, S. Masciocchi, G. Vegni, A. Peisert, J. Ardelan, A. Hrisoho, K. Troung, F. Couchot, C. Colledani, W. Dulinski, D. Husson, A. Lounis, N. Mayet, M. Schaeffer, R. Turchetta, A. Smith, R. Apsimon, P. Seller, M. Tyndel, M. Aalste, I. Hietanen, J. Lindgren, K. Osterberg, R. Orava, C. Ronnqvist, T. Tuuva and M. Voutilainen A326 (1993) 189
Results from double-sided silicon microstrip detector with field plate separation, R. Brenner, J. Carstens, A. Rudge, J. Straver, P. Weilhammer, A. Czermak, S. Gadomski, P. Jalocha, M. Turala, V. Bonvicini, A. Peisert, C. Colledani, W. Dulinski, A. Lounis, M. Schaeffer, R. Turchetta and R. Harr A326 (1993) 198
Basic characters of silicon strip detectors with double layer aluminum electrodes, K. Saito, M. Konmura, M. Nakamura, H. Tajima, K. Teraoka, T. Nakano, O. Sato, K. Niwa, K. Yamamoto and K. Yamamura A326 (1993) 204
Concepts for simplification of strip detector design and production, J. Kemmer and G. Lutz A326 (1993) 209
Operation and radiation resistance of a FOXFET biasing structure for silicon strip detectors, M. Laakso, P. Singh, E. Engels, Jr. and P.F. Shepard A326 (1993) 214
A study on the interstrip capacitance of double-sided silicon strip detectors, K. Yamamoto, K. Yamamura, K. Saito, M. Konmura, M. Nakamura and K. Niwa A326 (1993) 222
Calculation of the geometrical capacitance of silicon microstrip structures using a variational approach, G. Hall, D. Vitè and R. Wheadon A326 (1993) 228

Strip detector for short-range particles, A.B. Rosenfeld, V.M. Pugatch, O.S. Zinets, P.G. Litovchenko, L.I. Barabash, Yu.N. Pavlenko and Yu.O. Vasilyev A326 (1993) 234
Pulse shapes of silicon strip detectors as a diagnostic tool, S. Gadomski, M. Turala, E. Barberis, N. Cartiglia, J. Leslie and H.F.-W. Sadrozinski A326 (1993) 239
Design and tests for CLEO-II silicon vertex detector, J.P. Alexander, J.A. Dobbins, K. Honscheid, C.D. Jones, M. Selen, H.M. Worden, F.K. Wuerthwein, J. Gronberg, R.J. Morrison, H.N. Nelson, D.M. Schmidt, H. Tajima, D. Cinabro, S. Henderson, H. Yamamoto, M. Artuso, P. Rubin, Z. Sobolewski, D. Akerib and D. Cowen A326 (1993) 243

Section VI. Computer simulation

Three-dimensional simulation of semiconductor devices: state of the art and prospects, G. Baccarani, P. Ciampolini and A. Pierantoni A326 (1993) 253

Section VII. Ionization-based detectors

Study of the position-sensitive detection of X-rays with a silicon drift chamber, E.M. Schooneveld, C.W.E. van Eijk, R.W. Hollander and E.A. Hijzen A326 (1993) 263
Beam test of a large area silicon drift detector, A. Vacchi, P.T. Cox, P. Giacomelli, A. Castoldi, S. Chinnici, E. Gatti, A. Longoni, F. Palma, M. Sampietro, P. Rehak, G. Ballocchi, J. Kemmer and P. Holl A326 (1993) 267
Performance of the multianode cylindrical silicon drift detector in the NA45 experiment: first results, W. Chen, H. Kraner, Z. Li, P. Rehak, G. Bertuccio, E. Gatti, A. Longoni, M. Sampietro, P. Holl, J. Kemmer, U. Faschingbauer, F. Hess, C. Jacob, A. Wörner, J.P. Wurm, R. Baur, A. Drees, P. Fischer, P. Glässel, T.F. Günzel, D. Irmscher, L. Olsen, A. Pfeiffer, B. Schmidt, A. Schoen, H.J. Specht, Th. Ullrich, S. Tapprogge, N. Wermes, A. Breskin, R. Chechik, C. de los Heros, V. Steiner and I. Tserruya A326 (1993) 273
About the precision of time and amplitude measurements in drift detectors, E. Gatti and G. Fusillo A326 (1993) 279
New DEPMOS applications, P. Lechner, L. Andricek, N. Findeis, D. Hauff, P. Holl, J. Kemmer, P. Klein, G. Lutz, N. Meidinger, E. Pinotti, R. Richter, L. Strüder and C. von Zanthier A326 (1993) 284
Recent advances in the detection of optical photons with silicon photodiodes, A. Lacaita, M. Ghioni, F. Zappa, G. Ripamonti and S. Cova A326 (1993) 290
Operational characteristics of an electron-bombarded silicon-diode photomultiplier tube, G.A. Johansen and C.B. Johnson A326 (1993) 295
Diffusion-based silicon nuclear radiation detectors with on-chip readout circuitry, S.E. Wouters and G.J. van Sprakelaar A326 (1993) 299
A BCCD-based dosimeter for mixed radiation fields, M. Pierschel, K.-E. Ehwald, B. Heinemann, F. Januschewski, T. Schmitz and O. Schröder A326 (1993) 304
An exploration of GaAs structures for solid-state detectors, V.B. Chmill, A.V. Chuntonov, V.A. Sergeev, A.V. Smol, Yu.P. Tsyupa, A.P. Vorobiev, A.I. Gordienko, S.S. Khludkov, O.B. Koretskaya, A.I. Potapov and O.P. Tolbanov A326 (1993) 310
Charge transport properties of undoped SI LEC GaAs solid-state detectors, S.P. Beaumont, R. Bertin, C.N. Booth, M. Bruzzi, C. Buttar, L. Carraresi, F. Cindolo, M. Colocci, F.H. Combley, S. D'Auria, S. DeGennaro, D. Del Papa, M. Dogru, M. Edwards, F. Fiori, F. Foster, A. Francescato, Y. Hou, P. Houston, B. Jones, J.G. Lynch, B. Lisowski, J. Matheson, F. Nava, M. Nuti, V.O'Shea, P.G. Pelfer, M. Pischedda, C. Raine, J. Santana, I. Saunders, P.H. Seller, I.O. Skillikorn, T. Sloan, K.M. Smith, N. Tartoni, I. ten Have, R.M. Turnbull, A. Vinattieri and A. Zichichi A326 (1993) 313
Timing response of CdTe detectors, G. Baldazzi, D. Bollini, F. Casali, P. Chirco, A. Donati, W. Dusi, G. Landini, M. Rossi and J.B. Stephen A326 (1993) 319
Performance of a liquid xenon calorimeter cell, A. Braem, A. Gonidec, D. Schinzel, W. Seidl, E. Clayton, G. Hall, R. Payne, S. Roe, C. Seez, J. Striebig, T.S. Virdee and D. Cockerill A326 (1993) 325

Section VIII. Radiation damage

The effect of bulk traps in proton irradiated EEV CCDs, A.D. Holland A326 (1993) 335
Defect complexes in neutron irradiated silicon detectors: evaluation and effects, M. Bruzzi, A. Baldini, E. Borchi and I. Lukianov A326 (1993) 344
The use of the signal current pulse shape to study the internal electric field profile and trapping effects in neutron damaged silicon detectors, H.W. Kraner, Z. Li and E. Fretwurst A326 (1993) 350
Radiation hardness of silicon detectors for future colliders, E. Fretwurst, N. Claussen, N. Croitoru, G. Lindström, B. Papendick, U. Pein, H. Schatz, T. Schulz and R. Wunstorf A326 (1993) 357
Neutron irradiation of silicon diodes at temperatures of +20°C and −20°C, F. Anghinolfi, R. Bardos, S.J. Bates, R. Bonino, A.G. Clark, N. Claussen, E. Fretwurst, M. Glaser, G. Gorfine, C. Gössling, E.H.M. Heijne, P. Jarron, R. Klingenberg, F. Lemeilleur, G. Lindström, G. Moorhead, D.J. Munday, E. Occelli, H. Pagel, B. Papendick, M.A. Parker, D. Pollmann, A. Poppleton, A. Rolf, P. Scampoli, T. Schulz, G. Taylor, S. Tovey, A.R. Weidberg, X. Wu and R. Wunstorf A326 (1993) 365

Temperature effects on radiation damage to silicon detectors, E. Barberis, J.G. Boissevain, N. Cartiglia, J.A. Ellison, P. Ferguson, J.K. Fleming, K. Holzscheiter, S. Jerger, D. Joyce, J.S. Kapustinsky, J. Leslie, C. Lietzke, J.A.J. Matthews, A.P.T. Palounek, D. Pitzl, W.A. Rowe, H.F.-W. Sadrozinski, D. Skinner, W.F. Sommer, W.E. Sondheim, S.J. Wimpenny and H.J. Ziock A326 (1993) 373
Radiation effects on ac-coupled microstrip silicon detectors, N. Bacchetta, D. Bisello, G. Bolla, C. Canali, P.G. Fuochi and A. Paccagnella A326 (1993) 381
Radiation damage in detector–amplifier structures capable of signal storage, T. Beha, W. Dünnweber and P. Klein A326 (1993) 386

Transition radiation detectors, B. Dolgoshein A326 (1993) 434
The calculations of the magnetic field and forces in the ZEUS detector at HERA, F. Corriveau A326 (1993) 470
Performance of a highly segmented scintillating fibres electromagnetic calorimeter, A. Asmone, M. Bertino, C. Bini, G. De Zorzi, G. Diambrini Palazzi, G. Di Cosimo, A. Di Domenico, F. Garufi, P. Gauzzi and D. Zanello A326 (1993) 477
Radiation damage studies on polystyrene-based scintillators, G.I. Britvich, A.I. Peresypkin, V.I. Rykalin, V.G. Vasil'chenko, L.D. Kornylovskaya, S.A. Malinovskaya, V.T. Skripkina, V.M. Shershukov, E.G. Yushko, A.V. Kulichenko and A.I. Pyshchev A326 (1993) 483
A Time-of-flight array for 1 to 2 GeV/c particles, V. Sum, A.R. Berdoz, C.A. Davis, S.A. Page, W.D. Ramsay, W.T.H. van Oers, R.A. Schumacher, V.J. Zeps, D.R. Gill, T. Iijima, K. Okada and F. Takeutchi A326 (1993) 489
A phototube RICH detector, M.P. Maia, P.S. Cooper, L. Stutte, V. Solyanik, I. Filimonov and A. Nemitkin .. A326 (1993) 496
A study on undoped CsI crystals, Zong-ying Wei and Ren-yuan Zhu A326 (1993) 508
CsI photocathode QE and a simple production technique, D.F. Anderson, S. Kwan and V. Peskov A326 (1993) 611

Instruments and Methods for Nuclear Spectroscopy

Performance of a phoswich detector composed of thin plastic and thick BaF_2 scintillators, Y. Futami, T. Mizota, Y.H. Pu, Y. Honjo, K. Yuasa-Nakagawa, H. Toyokawa, S.M. Lee, K. Furutaka, T. Murakami, J. Kasagi, K. Yoshida and T. Nakagawa A326 (1993) 513
EDEN: a neutron time-of-flight multidetector for decay studies of giant states, H. Laurent, H. Lefort, D. Beaumel, Y. Blumenfeld, S. Fortier, S. Galès, J. Guillot, J.C. Roynette, P. Volkov and S. Brandenburg ... A326 (1993) 517

Neutron Physics

Advances in terbium-doped, lithium-loaded scintillator glass development, G.B. Spector, T. McCollum and A.R. Spowart A326 (1993) 526
New optical transmission device to produce high monochromatic and high polarized neutron beams based on the tunneling frustrated total reflection in neutron guides, M. Maaza, B. Pardo and F. Bridou A326 (1993) 531
Plastic detectors for medium energy neutrons, A. Ahmidouch, P. Bach, R. Hess, R.A. Kunne, C. Lechanoine-Leluc, C. Mascarini, D. Rapin, J. Arvieux, R. Bertini, H. Catz, J.C. Faivre, F. Perrot-Kunne, F. Bradamante and A. Martin A326 (1993) 538
An apparatus and techniques for tests for fundamental symmetries in compound-nucleus scattering with epithermal polarized neutron beams, Triple Collaboration, N.R. Roberson, C.D. Bowman, J.D. Bowman, P.P.J. Delheij, C.M. Frankle, C.R. Gould, D.G. Haase, J.N. Knudson, G.E. Mitchell, R.N. Mortensen, S.I. Penttilä, H. Postma, S.J. Seestrom, J.J. Szymanski, S.A. Wender, S.H. Yoo, V.W. Yuan and X. Zhu A326 (1993) 549

Nuclear Electronics

Performance of gas microstrip chambers on glass with ionic and electronic conductivity, G.D. Minakov, Yu.N. Pestov, V.S. Prokopenko and L.I. Shekhtman A326 (1993) 566
A method to quench and recharge avalanche photo diodes for use in high rate situations, T.O. Regan, H.C. Fenker, J. Thomas and J. Oliver A326 (1993) 570

Numerical and Data Analysis

Fits of Monte Carlo distributions to data, P. Eberhard, G. Lynch and D. Lambert A326 (1993) 574

Synchrotron Radiation Research

Conversion efficiency and time response of phosphors for fast X-ray imaging with synchrotron radiation, J.P. Moy, A. Koch and M.B. Nielsen A326 (1993) 581
Simultaneous time resolved SAXS and WAXS experiments using synchrotron radiation, W. Bras, G.E. Derbyshire, A.J. Ryan, G.R. Mant, A. Felton, R.A. Lewis, C.J. Hall and G.N. Greaves A326 (1993) 587

Special Applications

Positron emission particle tracking – a technique for studying flow within engineering equipment, D.J. Parker, C.J. Broadbent, P. Fowles, M.R. Hawkesworth and P. McNeil A326 (1993) 592
Optimization of the counting time for the determination of ^{222}Rn daughters, D.S. Pressyanov, I.P. Uzunov and P.P. Kritidis A326 (1993) 613

Letters to the Editor

Microstructure in the electron beam and the shape of tagging TDC spectra, L. Van Hoorebeke, D. Ryckbosch, C. Van den Abeele, R. Van de Vyver and J. Dias A326 (1993) 608
CsI photocathode QE and a simple production technique, D.F. Anderson, S. Kwan and V. Peskov A326 (1993) 611
Optimization of the counting time for the determination of ^{222}Rn daughters, D.S. Pressyanov, I.P. Uzunov and P.P. Kritidis A326 (1993) 613

Erratum

Double atomic-field bremsstrahlung from thick targets, Nucl. Instr. and Meth. A280 (1989) 202–206, C.A. Quarles A326 (1993) 615